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July 15, 1985

Mr. Mark Haney, Manager
Compliance Sub-Unit
Compliance Monitoring Section
Division of Land Pollution
Control
Illinois Environmental
Protection Agency
2200 Churchill Road
Springfield, Illinois 62706

Dear Sir:

Subject: 0316000011 - Cook County
Chicago/Department of Streets and Sanitation
103rd Street and Doty Avenue Landfill

Sludge was delivered to the subject site in April, May, and June 1985. Table 1 (enclosed) presents the mean analysis of all sludge delivered to the site during those three months.

Very truly yours,

Cecil Lue-Hing, D.Sc., P.E.
Director
Research and Development

CLH:JG:ns

Enclosure

cc/enc: Mr. Ken Bechely (IEPA)
Mr. Dalton
Mr. Garbis
Dr. Zenz
Dr. Peterson
Mr. Gschwind

EPA Region 5 Records Ctr.



300971

THE METROPOLITAN SANITARY DISTRICT OF GREATER CHICAGO

TABLE 1

MEAN ANALYSIS OF SLUDGE SHIPPED
TO THE 103rd & DOTY LANDFILL CLOSURE SITE DURING
APRIL, MAY, JUNE, 1985

Parameter		Concentration
Number of samples		33
pH	Units	7.2
Total solids	%	55.2
Total volatile solids	%	27.7
N-Kjeldahl	mg/dry kg	15,200
N-NH ₃	"	3,160
Total P	"	16,800
Zn	"	3,170
Cd	"	181
Cu	"	1,420
Cr	"	2,130
Fe	"	39,000
Ni	"	299
Pb	"	799
K	"	1,470
Na	"	702
Ca	"	72,300
Mg	"	31,100
Mn	"	812
Al	"	11,700
Hg	"	3.0

R&D\ZM
09-Jul-85